INDEX TO VOLUME XXII

New names and the final members of new combinations are in **bold face type.** Mistakes in the spelling of scientific names encountered in text are corrected in the index.

Abies lasiocarpa, 2
Acanthostigma occidentale, 167
Acer, 238, 244; Negundo, 236; pennsylvanicum, 236; Saccharum, 236; spicatum, 236
Achorella Attaleae, 317; costaricensis, 317; guianensis, 317
Acremoniella, 66, 67; atra, 67; **olivaespora,** 63, 64, 67, 68
Acremoniella, A new Porto Rican species of, Raffaele Ciferri and Bailey K. Ashford, 62
Acrotheca, 183
Acrothecium, 182; lunatum, 183; nigrum, 183; obovatum, 183, 185; obovatum **subcapitulatum,** 181, 184
Acrothecium obovatum, A new variety of, Bailey K. Ashford and Raffaele Ciferri, 180
Actinodothis, 312, 313; Perrottetiae, 313, 314
Aecidium abscedens, 116; Anograe, 160; **domingensis,** 116; Tournefortiae, 116
Agaricaceae of Vancouver (B. C.) District—I, Notes on the, Jean E. Davidson, 80
Agrimonia parviflora, 111
Albinistic strains of the Monilia bread mold, Breeding, B.O. Dodge, 9
Alnus, 237
Alternaria, 9, 232, 284, 304, 307–309; Dianthi, 232; Mali, 29, 37
Amanita muscaria, 82
Amazonia, 312–314; Acalyphae, 313; anacardiacearum, 313; asterinoides, 313, 314; Clusiae, 313; ohianus, 313; Perrottetiae, 313
Amerodothis guianensis, 316
Amerosporium Melandryi, 167
Ames, Lawrence M., A study of some homothallic and heterothallic ascomycetes, 318
Andropogon, 126–128, 130, 131, 133, 167; aciculatus, 156; annulatus, 133, 134, 157; appendiculatus, 131; argenteus, 157; arrhenobasis, 156; arundinaceus, 151; australis, 140; bicornis, 140, 142–144; Bladhii, 134; brachystachyus, 148; condensatus, 136; contortus, 137, 141, 153, 154; cymbarius, 147, 148, 153, 154; cymbosus, 150; dichrous, 146; diplandrus, 148; distachyos, 141, 150; excavatus, 150; finitimus, 127; foveolatus, 139, 141; furcatus, 135, 141, 152; halepensis, 132, 141, 151, 155; halepensis muticus, 132; Hallii, 135; hirtiflorus, 157; hirtifolius pubiflorus, 144; hirtus, 140, 147, 151; hirtus longiaristatus, 133, 141; hirtus pubescens, 141; intermedius, 131; Ischaemum, 142; Ischaemum longiaristatus, 142; Iwarancusa, 142; laniger, 141; lepidus, 154; leucostachyus, 142, 143, 144; macrourus, 135, 148; Martini, 146; micranthus, 158; muricatus, 127; Nardus, 137; papillipes, 156; papillosus, 141; perforatus, 126; pertusus, 137; plurinodis, 130, 138; provincialis, 135, 152; proximus, 142; pubescens, 142; rufus, 149; saccharoides, 142, 144, 157; Schoenanthus, 135, 136; scoparius, 97, 142, 148, 149; Sorghum, 128, 131, 132, 149–151; squarrosus, 127; Torreyanus, 142; validus, 150; virginicus, 97, 135, 148, 149; Wallichii, 127
Andropogon, Monographic studies on the Ustilaginales attacking, George Lorenzo Ingram Zundel, 125
Anthistiria Forskalii, 147
Anthracothecium **maculare,** 70
Antirrhinum majus, 234
Aphanomyces, 118–120; Gordejevi, 120; laevis, 120; norvegicus, 120; phycophilus, 118–121
Aphanomyces phycophilus, The nonsexual stage of, F. K. Sparrow, Jr., 118
Apples, Stemphylium congestum and its relation to decay in, George D. Ruehle, 304
Arcyria cinerea, 257; cinerea digitata, 257; denudata, 257; insignis, 257; insignis dispersa, 257; nutans, 257; pomiformis, 257

Aristida dichotoma, 149
Armillaria mellea, 82
Artemisia, 167
Arthonia **minutula,** 249
Arundo, 167
Ascobolus, 316, 318; immersus, 318–319; stercorarius, 319, 320; striisporus, 45
Ascochyta, 232, 233; Catalpae, 232; **Maydis,** 271, 273; **Zeae,** 272, 273; zeicola, 273; zeina, 273
Ascotremella, 52, 53; faginea, 53; **turbinata,** 53
Ascotremella, Photographs and descriptions of cup-fungi—X, Fred J. Seaver, 51
Ascroscyphus, 316
Asexual fructifications of Chaetomella raphigera and Pezizella Lythri, Development of the, B. O. Dodge, 169
Ashford, Bailey K., and Raffaele Ciferri, A new Porto Rican species of Acremoniella, 62; A new variety of Acrothecium obovatum, 180
Aspergillus, 9, 31, 186; candidus, 187, 198; flavus, 187, 196; fumigatus, 194; minutus, 187, 195; niger, 199; ochraceus, 187, 200; terreus, 187, 197; Wentii, 187, 198
Asterina, 312
Auerswaldia Cecropiae, 316; chamaeropsis, 316; Pringlei, 316
Avena, 98

Baccharis myrsinites, 116
Bacidia **microphialoides,** 77
Badhamia foliicola, 257
Bagnisiopsis peribebuyensis, 316
Balsamia, 223
Bambusa, 167
Beta, 167
Betula, 167, 176
Biatora, 74, 75
Biatorina **leucoblephariodes,** 251
Bidens pilosa, 112
Bilimbia **Stevensonii,** 251
Blue-staining fungi Ceratostomella and Graphium, The relationship between the, Caroline T. Rumbold, 175
Boehmeria, 213
Botryorhiza Hippocrateae, 112
Botrytis, 32
Brachysporium, 183
Brassica, 167
Bread mold, Breeding albinistic strains of the Monilia, B. O. Dodge, 9
Breeding albinistic strains of the Monilia bread mold, B. O. Dodge, 9
Bresadola, William Alphonso Murrill, 49
Buellia **Finkii,** 255; **naranjitana,** 79; **sensitiva,** 78; **substigmatea,** 255
Bullaria tumidipes, 160

Calenia **albonigra,** 71
Caliciopsis pinea, 235
California, A new Chanterelle in, Elizabeth Eaton Morse, 219
Camarosporium **umbonatum,** 160, 161
Camptoum curvatum, 233
Canna coccinea, 114
Cantharellus aurantiacus, 82; **Bonarii,** 219; cinereus, 241; floccosus, 219, 220; infundibuliformis, 242
Carex, 167, 213, 233; stricta, 95
Carpinus caroliniana, 235
Catalpa, 167, 232, 233
Catillaria **epiphylla,** 252; **pannosa,** 77; **Zahlbruckneri,** 252
Cenangium, 236; acuum, 236
Cenchrus tribuloides, 97
Cephalothecium roseum, 208
Ceratiomyxa fruticulosa, 257; fruticulosa flexuosa, 257
Ceratostomella cana, 176, 177; Piceae, 176, 177, 179; pilifera, 175, 178, 179
Ceratostomella and Graphium, The relationship between the blue-staining fungi, Caroline T. Rumbold, 175
Cercospora, 101, 102; dubia, 160
Cerebella Andropogonis, 126
Cestrum macrophyllum, 113
Ceuthospora, 170
Chaetomella, 170, 173; Andropogonis, 167; atra, 167; atra bambusina, 167; atra charticola, 167; atra lignicola, 167; beticola, 167; Brassicae, 167; brachyspora, 167; eucrypta, 167; furcata, 167; horrida, 167; longiseta, 167; Melandryi, 167; oblonga, 167, 168; oblonga major, 167; perforata, 167; **raphigera,** 165, 167, 168, 171; raripila, 167; Sacchari, 167; Stevensoni, 167; tortilis, 167
Chaetomella on rose, A new species of, Marjorie E. Swift, 165
Chaetomella raphigera and Pezizella Lythri, Development of the asexual fructifications of, B. O. Dodge, 169
Chaetomium angustum, 319; aterrimum, 319; aureum, 319; cochliodes, 319; elatum, 318, 319; funicola, 319; globosum, 319; murorum, 319; raripilum, 167; spirale, 319; trilaterale, 319
Chamaesyce hirta, 113; hypericifolia 113; nutans, 114; Preslii, 114

Chanterelle in California, A new, Elizabeth Eaton Morse, 219
Chloris polydactyla, 146
Chrysopogon aciculatus, 156
Ciferri, Raffaele, and Bailey K. Ashford, A new Porto Rican species of Acremoniella, 62; A new variety of Acrothecium obovatum, 180
Ciferri, Raffaele, and F. D. Kern, Fungi of Santo Domingo—III. Uredinales, 111
Cintractia, 126; columellifera, 139; **Vanderystii,** 128
Cirsium, 167
Cissus sicyoides, 112
Citrus, 108
Cladosporium, 304
Clavaria, 235; cristata, 234
Clitocybe candida, 82; catina, 82; inversa, 82; laccata amethystina, 82; nebularis, 82; pithyophila, 83
Coccolobis, 248
Coccus, 33
Coleosporium Solidaginis, 160
Colletotrichum, 232
Collybia conigena, 83; conigenoides, 83; dryophila, 83; longipes, 83
Colorado, Wyoming and South Dakota, A mycological foray through the mountains of, Fred J. Seaver and Paul F. Shope, 1
Comatricha elegans, 258; laxa, 258; nigra, 258; pulchella, 258; typhoides, 258
Compost for mushroom culture, Soybean stover, Illo Hein, 227
Compost for mushroom culture, Straw, Illo Hein, 39
Coniothecium, 108
Coniothyrium, 273; **Zeae,** 273
Coprinus comatus, 92; micaceus, 92
Cordana, 183
Corn plant in Illinois, New fungi found on the Indian, G. L. Stout, 271
Cornutia pyramidata, 115
Corticium, 240; **effusum,** 238; Overholtsii, 241; vesiculosum, 238
Cortinarius alboviolaceus, 88; rigidus, 88; squarrosus, 88
Craterellus cornucopioides, 241, 242
Craterium leucocephalum 258; leucocephalum cylindricum, 258; leucocephalum scyphoides, 258
Crepidotus mollis, 88; versutus, 88
Cribraria argillacea, 258, 260; intricata, 258; intricata dictydioides, 258; minutissima, 258; tenella, 259; tenella concinna, 259; vulgaris, 259
Crouch, Rhoda B., Septation of the ascus in Dothidina, 316
Cultural studies of some soil fungi, E. L. LeClerg, 186
Cunninghamella verticillata, 187, 193
Cup-fungi, Photographs and descriptions of,—X. Ascotremella, 51; XI. Solenopezia, 122; XII. Elvelaceae, 163; XIII. Subhypogeous forms, Fred J. Seaver, 215
Cymbopogon, 133; dichrous, 146; elegans, 147, 148, 153; excavatus, 142, 150; plurinodis, 130, 138; validus, 150
Cyperus Haspan, 114
Cytospora Amorphae, 160

Dasyscypha Agassizii, 2; arida, 2
Davidson, Jean E., Notes on the Agaricaceae of Vancouver (B. C.) District—I, 80
Decay in apples, Stemphylium congestum and its relation to, George D. Ruehle, 304
Dehiscence of Mycenastrum Corium, The, W. H. Long, 103
Dematium pullulans, 304
Dentaria, 167
Dermatina **Finkii,** 71
Development of the asexual fructifications of Chaetomella raphigera and Pezizella Lythri, B. O. Dodge, 169
Diaporthe, 31
Dicaeoma Asterum, 160; Caricis-strictae, 213; Fraxini, 160; Jamesianum, 160; Rhamni, 160
Dichrostachys, 288; nutans, 288
Dictydium cancellatum, 259; cancellatum cancellatum, 259; cancellatum fuscum, 259
Diderma effusum, 259; effusum reticulatum, 259; radiatum, 259; radiatum umbilicatum, 259; simplex, 259
Didymium clavus, 259; melanospermum, 259; melanospermum minus, 259; squamulosum 259
Diehl, W. W., and E. B. Lambert, A new truffle in beds of cultivated mushrooms, 223
Digitaria sanguinalis, 100
Diploschistes **straminescens,** 71
Dodge, B. O., Breeding albinistic strains of the Monilia bread mold, 9; Development of the asexual fructifications of Chaetomella raphigera and Pezizella Lythri, 169
Dothidea graminis, 317
Dothidella betulina, 317; flava, 317; portoricensis, 317
Dothidina amadelpha, 317; costaricensis, 316; disciformis, 317; Fiebrigii, 317; palmicola, 316; scabrosa, 317

Dothidina, Septation of the ascus in, Rhoda B. Crouch, 316

Elvela californica, 163, 164; sphaerospora, 45; umbraculiformis, 164
Elvelaceae, Photographs and descriptions of cup-fungi—XIII, Fred J. Seaver, 163
Endophyllum circumscriptum, 112; decoloratum, 111, 112
Enerthenema papillatum, 260
Entoloma sericeum, 90; speculum, 90
Entyloma, 157; australe, 97; compositarum, 160; obesum, 157; polysporum, 160
Epicoccum, 126, 233
Erianthus saccharoides, 128
Eubacidia, 77
Eubuellia, 78, 79
Eucatillaria, 77
Eupatorium ageratoides, 123; odoratum, 116
Euphorbia hypericifolia, 113; nutans, 114; pilulifera, 113
Euphthiracarus, 95
Eutypella cerviculata, 160

Fagus, 221; americana, 53; grandifolia, 310
Fagus grandifolia, Fomes Everhartii associated with the production of sterile rimose bodies on, Ray R. Hirt, 310
Faull, Anna F., On the resistance of Neurospora crassa, 288
Fenestella princeps, 160
Fimetaria fimicola, 318, 319
Fitzpatrick, H. M., and J. W. Sinden, A new Trichoglossum, 55
Flammula echinulisporus, 89
Fomes Everhartii, 310; igniarius, 310
Fomes Everhartii associated with the production of sterile rimose bodies on Fagus grandifolia, Ray R. Hirt, 310
Fuligo septica, 260
Fungi of Santo Domingo—III. Uredinales, F. D. Kern and R. Ciferri, 111
Fusarium, 37

Galax, 170
Galera tenera, 90
Gayana densiflora, 148
Geaster, 103, 216; hygrometricus, 104
Geoglossum, 55; Rehmianum, 56
Gloeosporium, 107
Glomerella, 31
Gomphidius, 81; maculatus, 92
Grandinia, 240
Graphium, 175–179; penicillioides, 176, 179
Graphium, The relationship between the blue-staining fungi Ceratostomella and, Caroline T. Rumbold, 175
Guignardia, 31
Gyalecta **rubella,** 72
Gymnoconia, 212
Gymnographoidea suborbicularis, 249
Gymnosporangium bermudianum, 264; clavipes, 264; Juniperi-virginianae, 263, 264

Haematomyces, 51–53; faginea, 51–53; orbicularis, 52; spadiceus, 52; vinosus, 52
Haematomyxa, 52
Hagelstein, Robert, Mycetozoa from Jones Beach State Park, 256
Hainesia, 170, 173
Hamamelis virginiana, 239
Harknessia caudata, 233
Hebeloma albidulum, 89; Colvini, 89
Hedrick, Joyce, New species of lichens from Porto Rico—IV, 247
Hein, Illo, Soy-bean stover compost for mushroom culture, 227; Straw compost for mushroom culture, 39
Helianthus annuus, 114
Helminthosporium, 275, 284; **zeicola,** 271, 273, 275
Hemitrichia clavata, 260; serpula, 260; vesparium, 260
Heteropogon arrhenobasis, 156; contortus, 115, 137, 141, 153, 154; hirtus, 140
Heterothallic ascomycetes, A study of some homothallic and, Lawrence M. Ames, 318
Hippocratea volubilis, 112
Hirt, Ray R., Fomes Everhartii associated with the production of sterile rimose bodies on Fagus grandifolia, 310
Holcus lanatus, 98
Homothallic and heterothallic ascomycetes, A study of some, Lawrence M. Ames, 318
Hordeum, 98
Hormodendrum cladosporioides, 187, 209
Hygrophorus, 82; ceraceus, 83; eburneus, 83; miniatus, 83; psitticinus, 84
Hyparrhenia cymbaria, 138
Hypholoma capnoides, 91; epixanthum, 91; fasciculare, 91; hydrophilum, 91; sublateritium, 91; velutinum, 91
Hypocopra fimicola, 318
Hypocrea gelatinosa, 235
Hypomyces Lactifluorum, 6

Illinois, New fungi found on the Indian corn plant in, G. L. Stout, 271
Imperata arundinacea, 128
Indigofera tinctoria, 112
Irene, 313, 314; inermis, 313; tonkinensis, 313
Irenina, 313, 314; longipoda, 313
Irenopsis, 313, 314; scaevolicola, 313, 314
Ischaemum timorense, 142

Jacot, Arthur Paul, Moss-mites as spore-bearers, 94
Jenkins, Anna E., Sphaceloma Symphoricarpi, 106
Jones Beach State Park, Mycetozoa from, Robert Hagelstein, 256
Juglans, 244

Kern, F. D., and R. Ciferri, Fungi of Santo Domingo—III. Uredinales, 111
Knightia, 167

Labridella, 161; **Cornu-cervi,** 160, 161
Lachnum sulphureum, 160
Lactaria, 6
Lactarius subdulcis, 84
Lambert, E. B., and W. W. Diehl, A new truffle in beds of cultivated mushrooms, 223
Lamproderma cribrarioides, 263; scintillans, 260
Lecanora **elabens,** 254; **nigrolimitata,** 254; **portoricensis,** 255
Lecidea **camporum,** 74; **granulifera,** 252; **gymnocarpa,** 253; **mayaguez,** 75; piperis **saxigena,** 75; **portoricana,** 76; **prolifera,** 253; **Zahlbruckneri,** 253
LeClerg, E. L., Cultural studies of some soil fungi, 186
Lentinus ursinus, 84
Leonotis nepetaefolia, 115
Lepiota Friesii, 84; rubrotincta, 84
Leprocollema **Finkii,** 74
Leptosphaeria, 276; Maydis, 275, 276, 285; **variiseptata,** 276; **Zeae,** 277
Leptothyrium, 170; **Zeae,** 278, 279
Leucogymnospora intricata, 249
Lichens from Porto Rico—III, New species of, A. Zahlbruckner, 69
Lichens from Porto Rico—IV, New species of, Joyce Hedrick, 247
Lichina, 316
Lindbladia effusa, 260
Linder, David H., Notes on Tremellogaster surinamensis, 265
Liquidambar Styraciflua, 175
Long, W. H., The dehiscence of Mycenastrum Corium, 103
Lopadium **biatorellum,** 254
Lycogala epidendrum, 260
Lycoperdon, 267; depressum, 267

Macbride, T. H., Two notable papers on slime-moulds, 45
Macrophoma Zeae, 282, 283
Macrosporium, 233, 284, 304; Catalpae, 232, 233
Malvastrum coromandelianum, 115; spicatum, 115
Marasmius, 81
Medicago sativa, 113
Melanthera Buchii, 113
Melaspilea **elutericola,** 250
Meliola, 312-314; bicornis, 313, 314; Byrsonimae, 313; contorta, 313, 314; Lisanthi, 313; malacotricha, 313, 314; nidulans, 313, 314; Paulliniae, 313; Piperis, 313; Psidii, 313, 314; Sideroxili, 313; variaseta, 313; Wardii, 313, 314
Meliolina, 314; Sydowiana, 313
Meliolineae, The structure of the perithecium in the, Mildred E. Ragle, 312
Merulius, 241
Micrographina palmicola, 250
Microthelia **socialis,** 69
Mollisia cinerea, 237; pinastri, 236
Monilia, 13, 32, 34, 37, 288, 301; aurea, 13; cinerea, 37; fructigena, 37; sitophila, 10, 13, 26, 27, 33, 34, 37
Monilia bread mold, Breeding albinistic strains of the, B. O. Dodge, 9
Monographic studies on the Ustilaginales attacking Andropogon, George Lorenzo Zundel, 125
Monographic study of Cercospora species of the world, A, H. H. Whetzel, 101
Morchella crassipes, 164
Morse, Elizabeth Eaton, A new Chanterelle in California, 219
Moss-mites as spore-bearers, Arthur Paul Jacot, 94
Mougeotia, 120
Mucor glomerella, 187, 191; lausannensis, 187, 192
Murrill, William Alphonso, Bresadola, 49
Mushroom culture, Soy-bean stover compost for, Illo Hein, 227
Mushroom culture, Straw compost for, Illo Hein, 39
Mushrooms, A new truffle in beds of cultivated, W. W. Diehl and E. B. Lambert, 223

Mycena, 80, 81; acicula, 84; alcalina, 84; ammoniaca, 84; atroalba, 84; clavicularis luteipes, 84; cyaneobasis, 85; excisa, 55; glaericulata, 85; haematopa, 85, 86; inclinata, 85; leptocephala, 85; minutula, 85; parabolica, 85; polygramma albida, 85; praelonga, 85; pura, 85; rosella, 85; sanguinolenta, 86
Mycenastrum corium, 103, 104
Mycenastrum corium, The dehiscence of, W. H. Long, 103
Mycetozoa from Jones Beach State Park, Robert Hagelstein, 256
Mycological foray through the mountains of Colorado, Wyoming and South Dakota, Fred J. Seaver and Paul F. Shope, 1
Mycological notes for 1928–1929, L. O. Overholts, 232
Mycoporellum **deserticola,** 248
Mycosphaerella Zeae, 286, 287; **zeicola,** 278, 282

Napicladium, 183
Naucoria lignicola, 90; semiorbicularis, 90
Nectria, 122; Peziza, 122
Neocosmospora, 31
Neurospora, 13, 30, 32, 37, 263, 288, 318; crassa, 10, 35, 288, 290, 291, 296, 297, 300-302; sitophila, 10-12, 14, 16, 23, 24, 35-38, 288, 320; tetrasperma, 9, 24, 27, 35, 318
Neurospora crassa, On the resistance of, Anna F. Faull, 288
New Chanterelle in California, A, Elizabeth Eaton Morse, 219
New fungi found on the Indian corn plant in Illinois, G. L. Stout, 271
New species of Chaetomella on rose, A, Marjorie E. Swift, 165
New species of lichens from Porto Rico. III, A. Zahlbruckner, 69; IV, Joyce Hedrick, 247
New truffle in beds of cultivated mushrooms, A, W. W. Diehl and E. B. Lambert, 223
New variety of Acrothecium obovatum, A, Bailey K. Ashford and Raffaele Ciferri, 180
Nitella, 118, 119
Non-sexual stage of Aphanomyces phycophilus, The, F. K. Sparrow, Jr., 118
Notes and brief articles, 44, 101, 159, 211, 263, 323
Notes on Pennsylvania Ustilaginales I, George L. Zundel, 97
Notes on the Agaricaceae of Vancouver (B. C.) District—I, Jean E. Davidson, 80
Notes on Tremellogaster surinamensis, David H. Linder, 265
Nyctalis asterophora, 242; parasitica, 242

Odontia **coloradensis,** 239; **corticioides,** 239; stenospora, 240
Oidium 293, 302; aurantiacum, 13
Oligonema nitens, 260
Omphalia campanella, 86; umbellifera, 86
Ophiobolus heterostrophus, 275
Ophiotheca vermicularis, 261
Otthia, 236
Otthiella, 316; staphylina, 236
Overholts, L. O., Mycological notes for 1928–1929, 232
Oxalis corniculata, 99; stricta, 100

Pachynea, 78
Paeonia officinalis, 234
Palmella, 248
Panaeolus campanulatus, 92; retirugis, 93; solidipes, 93
Panicum dichotomiflorum, 97; proliferum, 97
Panus angustatus, 86; stipticus, 81, 86
Parasite in apple orchards, Trametes hispida a destructive, Ernest C. Smith, 221
Parodiella grammodes, 160
Paspalum scobiculatum, 148
Patella, 215
Patellaria atrata, 160
Paulia, 316
Paxillus involutus, 90
Paxina nigrella, 2
Penicillium, 31, 159, 186; chrysogenum, 187, 206; citrinum, 187, 205; commune, 187, 203; digitatum, 187, 207; expansum, 187, 201; humicola, 187, 205; purpurogenum, 187, 204; stoloniferum, 187, 202; veridicatum, 187, 202
Peniophora, 239; **piceina,** 238; pubera, 238
Pennisetum cenchroides, 140; dichotonum, 142
Pennsylvania Ustilaginales I, Notes on, George L. Zundel, 97
Peronospora Valerianellae, 159, 212
Persea, 107
Peziza, 215, 217; funerata, 216; hybrida, 3; pinastri, 236; Sclerotiorum, 37; Solenia, 122, 123; tuberosa, 37

Pezizella Lythri, 31, 170, 171, 173
Pezizella Lythri, Development of the asexual fructifications of Chaetomella raphigera and, B. O. Dodge, 169
Phaeocytosporella, 280; **Zeae,** 280
Phialea sordida, 160
Phlebia **cervina,** 240; **mellea,** 241
Phleum pratense, 100
Pholiota adiposa, 90; destruens, 90
Phoma, 282; Maydis, 282; oleracea Antirrhini, 234; uvicola, 31; zeicola, 282
Phomopsis, 32
Photographs and descriptions of cupfungi—X. Ascotremella, 51; XI. Solenopezia, 122; XII. Elvelaceae, 163; XIII. Subhypogeous forms, Fred J. Seaver, 215
Phragmidium americanum, 160
Phragmites, 167
Phthiracarus, 95
Phyllactidium, 250
Phyllosticta, 233; baldensis, 234; Commonsii, 234; **Zeae,** 276, 279–282, 286, 287
Phyllostictina carpogena, 31
Physalis subglabrata, 97
Physalospora Zeae, 282–284; zeicola, 284
Physarum bogoriense, 261; cinereum, 261; compressum, 261; galbeum, 261; Maydis, 261; melleum, 261; nutans, 261; pusillum, 261; viride, 262; viride incanum, 262
Phytophthora infestens, 212
Picea albulum, 239; Engelmanni, 2; rubens, 238
Pinus flexilis, 2; ponderosa, 240; Strobus, 235, 236
Pisum, 167
Plectania hiemalis, 45
Pleosphaerulina **zeicola,** 284
Pleospora, 304; pygmæa, 160
Pleurage, 320; anomala, 319; anserina, 319; arizonensis, 319; decipiens, 319; minuta, 319
Pleurotus candidissimus, 86; ostreatus, 87; sapidus, 87; serotinus, 86
Pluteus cervinus, 91
Polygonum, 167; lapathifolium, 100; pennsylvanicum, 100; sagittatum, 98
Polyporus admirabilis, 244; albiceps, 244; Berkeleyi, 244; Underwoodii, 244
Polythrincium, 32
Populus, 167; tremuloides, 2
Porina **Vainii,** 247
Porophyllum ellipticum, 115
Porto Rican species of Acremoniella, A new, Raffaele Ciferri and Bailey K. Ashford, 62
Porto Rico. III, New species of lichens from, A. Zahlbruckner, 69
Porto Rico—IV, New species of lichens from, Joyce Hedrick, 247
Prospodium Tabebuiae, 112
Psalliota abruptibulba, 91; haemorrhodaria, 91; placomyces, 91; subrufescens, 81, 92
Psathyrella crenata, 93
Pseudobalsamia, 223, 225; **microspora,** 223
Pseudopyrenula **confluens,** 247; **portoricensis,** 248
Pseudotritia ardua, 95, 96; simplex, 95
Pseudotsuga taxifolia, 83
Psilocybe subviscida, 92
Psorotichia **calcigena,** 73; **heterocarpa,** 251; **Vainii,** 251
Ptilidium, 170
Puccinia canaliculata, 114; Cannae, 114; Caricis-strictae, 213; dominicana, 115; evadens, 116; Helianthi, 114; Helianthi-mollis, 111, 114; heterospora, 114; Leonotidis, 114; Malvacearum, 115; Porophylli, 115; Sarachae, 111, 115; Urbaniana, 115; versicolor, 115; Xanthii, 115
Pucciniastrum Agrimoniae, 111
Pucciniosira pallidula, 112
Pyrenopsis **portoricensis,** 72
Pyrenula **psoriformis,** 70
Pyrus, 221
Pythium, 121

Quercus, 167, 221, 233, 244

Ragle, Mildred E., The structure of the perithecium in the Meliolineae, 312
Ramalina **Finkii,** 78
Randia aculeata, 116
Ravenelia Indigoferae, 112
Relationship between the blue-staining fungi Ceratostomella and Graphium, The, Caroline T. Rumbold, 175
Resistance of Neurospora crassa, On the, Anna F. Faull, 288
Reticularia, 46; Lycoperdon, 45
Rhizopus arrhizus, 187, 189; elegans, 187, 190; nigricans, 187, 188
Rhytisma acerina, 236; punctata, 236
Rosa, 107, 166, 167; rubiginosa, 168
Rosellinia Clavariae, 235
Rubus, 108, 166; fruticosus, 212
Ruehle, George D., Stemphylium congestum and its relation to decay in apples, 304

Rumbold, Caroline T., The relationship between the blue-staining fungi Ceratostomella and Graphium, 175
Russula, 242; emetica, 87; foetens, 242; nigricans, 242, 243; veternosa, 87

Saccharum, 167; cylindricum, 128; erianthoides, 128; fuscum, 128; officinarum, 128; spontaneum, 128; vulgare, 128
Salix, 221
Salmea scandens, 114
Sambucus, 88
Santo Domingo—III. Uredinales, Fungi of, F. D. Kern and R. Ciferri, 111
Saracha "antillarum" [antillana], 115
Sarcosphaera, 215; coronaria, 217; **funerata,** 216
Schinus Molle, 221
Schizophyllum commune, 87
Scleroderma bovista, 268
Sclerotinia, 3, 32, 34, 36; cinerea, 33, 37; fructigena, 32, 37
Sclerotiopsis, 170
Sclerotium bifrons, 3, 8
Scolecitrichum Clavariarum, 234
Seaver, Fred J., Photographs and descriptions of cup-fungi—X. Ascotremella, 51; XI. Solenopezia, 122; XII. Elvelaceae, 163; XIII. Subhypogeous forms, 215
Seaver, Fred J., and Paul F. Shope, A mycological foray through the mountains of Colorado, Wyoming and South Dakota, 1
Septation of the ascus in Dothidina, Rhoda B. Crouch, 316
Septoria Maydis, 287; **Zeae,** 276, 279, 284; **zeicola,** 280, 286; **zeina,** 287
Sepultaria, 215; arenicola, 216; aurantia, 2, 215
Setaria glauca, 98
Shope, Paul F., and Fred J. Seaver, A mycological foray through the mountains of Colorado, Wyoming and South Dakota, 1
Shortia, 170
Sida urens, 114
Sinden, J. W., and H. M. Fitzpatrick, A new Trichoglossum, 55
Sirentyloma, 157
Slime-moulds, Two notable papers on, T. H. Macbride, 45
Smith, Ernest C., Trametes hispida a destructive parasite in apple orchards, 221
Soil fungi, Cultural studies of some, E. L. LeClerg, 186
Solanum, 212
Solenopezia, 122, 123; fimbriata, 123; Solenia, 123; Symphoricarpi, 123; vulpina, 122
Solenopezia, Photographs and descriptions of cup-fungi—XI, Fred J. Seaver, 122
Sordaria amphisphaerioides, 161
Sorghum, 139; caudatum, 151; saccharatus, 132; vulgare, 132
Sorosporium, 126; Andropogonis-aciculati, 146, 156; **austro-africanum,** 126, 145, 147; caledonicum, 146, 155; **Clintonii,** 126, 145, 148, 153; contortum, 145, 148, 153, 154; dembianense, 125, 146, 156; Ehrenbergii, 145, 150; Ellisii, 145, 149; Ellisii occidentalis, 134; Ellisii provinciale, 152; Everhartii, 97, 145, 148; **filiferum,** 145, 148; **filiformis,** 145, 153; **Flanaganianum,** 125, 146, 155; geminellium, 145, 152; **harrismithense,** 126, 145, 154; **Healdii,** 126, 145, 147; Heteropogonis-contorti, 125, 145, 154; **Hodsonii,** 126, 145, 152; Holstei, 145, 147; icosiense, 145, 149; maranguense, 145, 154; **pretoriaense,** 126, 145–147; **proliferatum,** 125, 145, 150; provinciale, 145, 152; Reilianum, 145, 151; Simii, 146, 155; Sorghi, 132; Syntherismae, 97; Tembuti, 145, 150; **tumefaciens,** 145, 149; Wildemanianum, 145, 146
South Dakota, A mycological foray through the mountains of Colorado, Wyoming and, Fred J. Seaver and Paul F. Shope, 1
Soy-bean stover compost for mushroom culture, Illo Hein, 227
Sparrow, Jr., F. K., The non-sexual stage of Aphanomyces phycophilus, 118
Sphaceloma, 106–109; Symphoricarpi, 106, 109
Sphaceloma Symphoricarpi, Anna E. Jenkins, 106
Sphacelotheca, 126; Andropogonis, 129, 141; **Andropogonis-annulati,** 128, 132; Andropogonis-hirtifolii, 130, 144; barcinonensis, 128, 133; **bicornis,** 129, 140; columellifera, 129, 139; **concentrica,** 126, 129, 138, congensis, 129, 140; cruenta, 128, 130, 131; **culmiperda,** 130, 143; **Dinteri,** 129, 140; **Doidgeae,** 126, 128, 131; **Duthiei,** 129, 134; **Evansii,** 126, 128, 133; furcata, 128, 130; **guaranitica,** 129, 135; **Holwayi,** 126, 130, 142, 143; Hydropiperis, 98; Ischaemi, 141, 161; **Kellermanii,**

126, 129, 142, 143; Lanigeri, 129, 141; **leucostachys,** 130, 143, 144; **Milbraedii,** 129, 135; **Moggii,** 126, 128, 130; monilifera, 129, 136; **Nardi,** 129, 137; **natalensis,** 129, 139; Natalii, 126; **Nyassae,** 128, 133; occidentalis, 129, 134; Reiliana, 151; **Ritchiei,** 126, 129, 138; **Schoenanthi,** 129, 136; Seymouriana, 129, 135; Sorghi, 128, 132; **sorghicola,** 128, 131; **Stuhlmanii,** 129, 136; **superflua,** 129, 138; **tenuis,** 129, 137; **tonkinensis,** 129, 134; **transvaalensis,** 129, 139; transvaalii, 126; **Warneckiana,** 129, 137; **Zilligii,** 126, 129, 142
Sphaerella nivalis, 5
Sphaeria Brassicae, 167
Sphaerophoron, 316
Sphaeropsis, 273; ambigua, 273; malorum, 31
Spirogyra, 119, 120; dubia, 119; lubrica, 119; nitida, 119
Spondylocladium, 183
Spore-bearers, Moss-mites as, Arthur Paul Jacot, 94
Sporonema, 170
Sporotrichum pruinosum, 187, 208
Stagonospora Meliloti, 161
Staphylea pinnata 236; trifolia, 236
Steganacarus diaphanum, 95
Stemonitis axifera, 262; fusca, 262; Smithii, 262; splendens, 262; splendens flaccida, 262; splendens Webberi, 262
Stemphylium, 304, 305, 309; congestum, 304–309; congestum **minor,** 305, 308; graminis, 304, 305, 307
Stemphylium congestum and its relation to decay in apples, George D. Ruehle, 304
Stereum, 241; Murrayi, 238
Stilbum, 107, 108
Stout, G. L., New fungi found on the Indian corn plant in Illinois, 271
Straw compost for mushroom culture, Illo Hein, 39
Stropharia, 81; albonitens, 92; bilamellata, 244; coronilla, 244; rugosoannulata, 243; stercoraria, 92
Structure of the perithecium in the Meliolineae, The, Mildred E. Ragle, 312
Strumella, 233
Study of some homothallic and heterothallic ascomycetes, A, Lawrence M. Ames, 318
Subhypogeous forms, Photographs and descriptions of cup-fungi—XIII, Fred J. Seaver, 215
Swift, Marjorie E., A new species of Chaetomella on rose, 165
Symphoricarpos albus laevigatus, 106; occidentalis, 161
Systremma Pterocarpi, 317

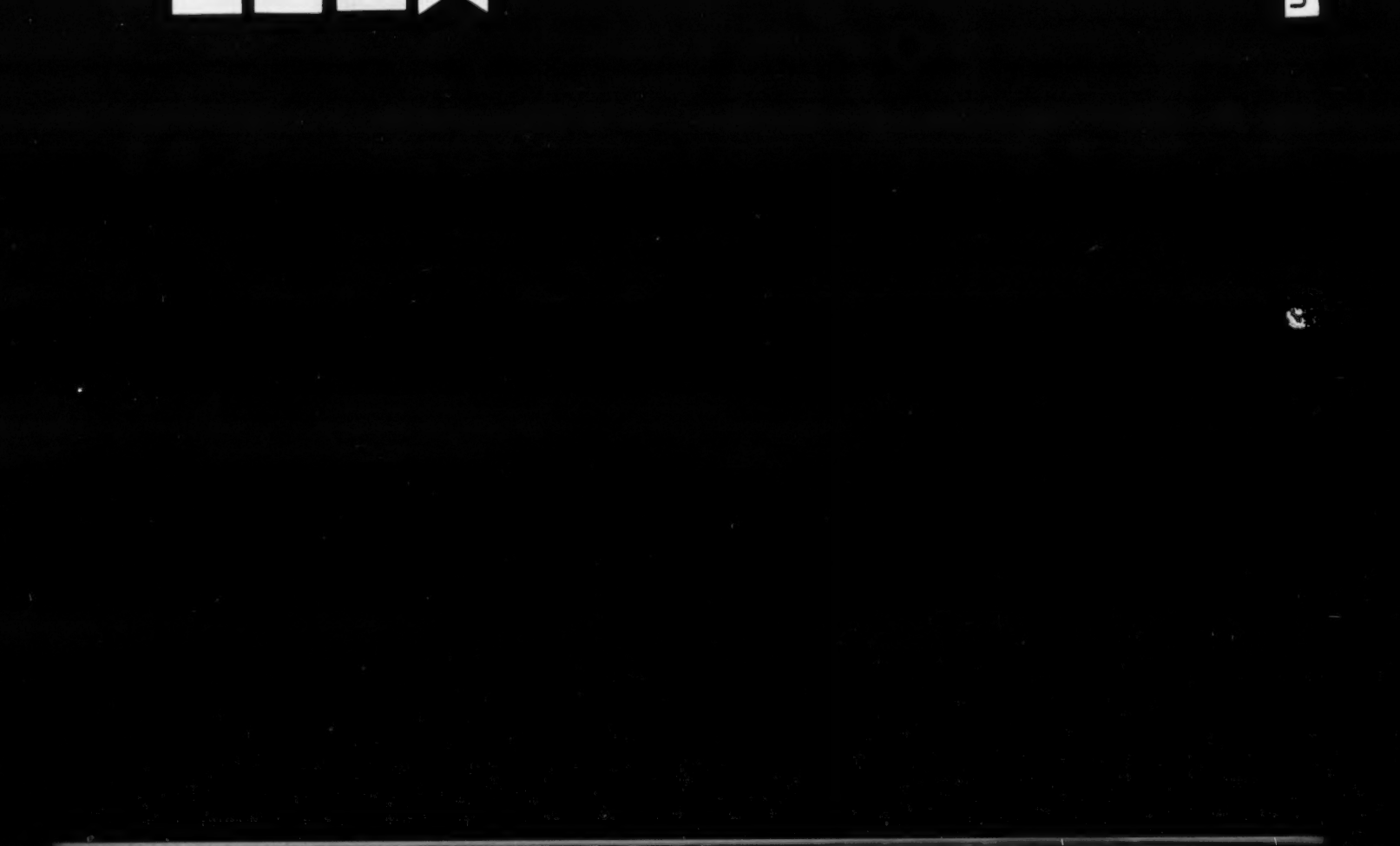
Tabebuia, 112; Berteri, 112
Tapesia Rosae, 236, 237
Teichospora umbonata, 160, 161
Thecaphora Berkeleyana, 126
Thelidium **leucoplacum,** 69
Themeda Forskalii, 147; triandra, 147
Thuja, 89
Thyrea **myriocarpa,** 73
Tilia, 53
Tilletia Holci, 98; irregularis, 157
Tolyposporella, 126; Brunkii, 156; **irregularis,** 156, 157; **obesa,** 156, 157
Tolyposporium Ehrenbergii, 150; filiferum, 148; philippinensis, 126
Tournefortia hirsutissima, 116
Trametes hispida, 221; Peckii, 221
Trametes hispida a destructive parasite in apple orchards, Ernest C. Smith, 221
Tremellogaster surinamensis, 265, 268
Tremellogaster surinamensis, Notes on, David H. Linder, 265
Trentepohlia, 247–250
Trichia persimilis, 262; varia, 262
Trichoderma lignorum, 187, 194
Trichoglossum, 55, 59, 60; confusum, 55, 59; Farlowi, 55, 59; hirsutum, 55–60; Rehmianum, 55; **tetrasporum,** 60; velutipes, 55–60; Walteri, 55, 59; Wrightii, 56–60
Trichoglossum, A new, J. W. Sinden and H. M. Fitzpatrick, 55
Tricholoma grave, 88; laterarium, 87; nudum, 87, 88; panaeolum caespitosum, 87; sordidum, 87, 88
Trichophyton gypseum, 169
Trichothecium roseum, 187, 208
Triumfetta semitriloba, 112
Truffle in beds of cultivated mushrooms, A new, W. W. Diehl and E. B. Lambert, 223
Trypethelium Eluteriae, 250
Tsuga, 90; canadensis, 235
Tubifera ferruginosa, 262
Tylostoma, 103
Tympanis alnea, 237; conspersa, 237
Typha, 88

Uleodothis Paspali, 317; Pteridis, 317
Underwoodia columnaris, 45
Uredinales, Fungi of Santo Domingo—III, F. D. Kern and R. Ciferri, 111
Uredo Bullula, 116; tonkinensis, 134; Toroiana, 116

Urocystis occulta, 161
Uromyces Bidentis, 112; Caricis, 213; Cestri, 113; Columbianus, 113; Dolicholi, 113; Medicaginis, 111, 113; proëminens, 113; Salmeae, 111, 114
Usnea **Finkii,** 78; longissima, 78
Ustilaginales attacking Andropogon, Monographic studies on the, George Lorenzo Ingram Zundel, 125
Ustilaginales I, Notes on Pennsylvania, George Lorenzo Ingram Zundel, 97
Ustilago, 126, 134; amadelpha, 126, 127; Andropogonis-annulati, 132; Andropogonis-finitimi, 126, 127; Andropogonis-hirtifolii, 144; Avenae, 98, 161; bicornis, 140, 143; Brunkii, 156; congensis, 140; consimilis, 126, 127; cruenta, 131; culmiperda, 143; Dinteri, 140; Duthiei, 134; effusa, 126, 127; filiformis, 153; furcata, 130; guaranitica, 135; Hordei, 98; hypodytes, 161; Lanigeri, 141; leucostachys, 144; levis, 98, 161; Milbraedii, 135; monilifera, 136; Nardi, 137; neglecta, 98; Nyassae, 133; occulta, 126, 127; Oxalidis, 99; Rabenhorstiana, 100; Sacchari, 127; Schoenanthi, 136; sorghicola, 131; striaeformis, 100; Stuhlmanni, 136; superflua, 138; Taiana, 158; tenuis, 137; tonkinensis, 134; tumefaciens, 149; utriculosa, 100; Vanderystii, 128; Warneckeana, 137

Valerianella radiata, 159, 212
Vaucheria sessilis, 120; uncinata, 120
Venturia occidentalis, 167
Vernonia cinerea, 116, 117
Verticillia, 182

Wedelia trilobata, 112
Whetzel, H. H., A monographic study of Cercospora species of the world, 101
Wyoming and South Dakota, A mycological foray through the mountains of Colorado, Fred J. Seaver and Paul F. Shope, 1

Xanthium chinense, 116; echinatum, 116
Xylaria, 234

Zahlbruckner, A., New species of lichens from Porto Rico. III, 69
Zea Mays, 151
Zundel, George Lorenzo Ingram, Monographic studies on the Ustilaginales attacking Andropogon, 125; Notes on Pennsylvania Ustilaginales I, 97
Zygnema, 120